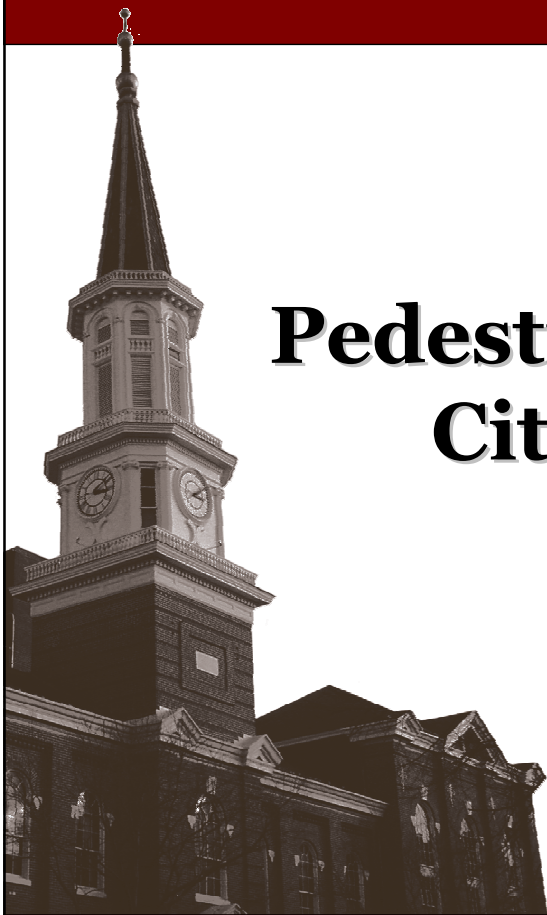# Pedestrian and Bicycle Citizens Group

11 January 2010

City of Alexandria, Virginia

Agenda

1. Welcome & Introductions

2. Review September Meeting with Arlington County

3. Guest Discussion: Mr. John Komoroske, chair, Planning Commission and Mr. Jayme Blakesley, vice-chair, Transportation Commission

4. 2009 Year in Review and 2010 Major New Projects

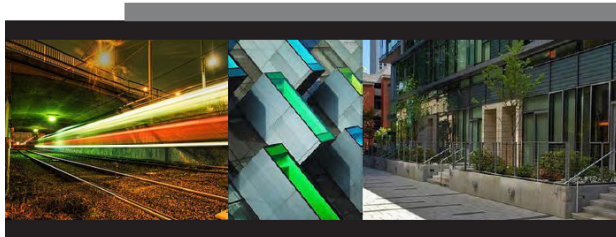5. Existing Projects & Upcoming Events

6. Public Input/Q&A

City of Alexandria, Virginia

Agenda Item #2- Review September meeting

City of Alexandria, Virginia

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Agenda Item #3- Guest Discussion

City of Alexandria, Virginia

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Planning Commission

- About the Commission

- Recent Area Plans and Development Plans
  - Waterfront
  - North Potomac Yard
  - Beauregard

- Transportation Management Plans

City of Alexandria, Virginia

North Potomac Yard
Small Area Plan

Creating a Complete Sustainable Community

To comment on the plans visit:
http://www.alexandriava.gov/PotomacYardPlan

http://alexandriava.gov/Waterfront

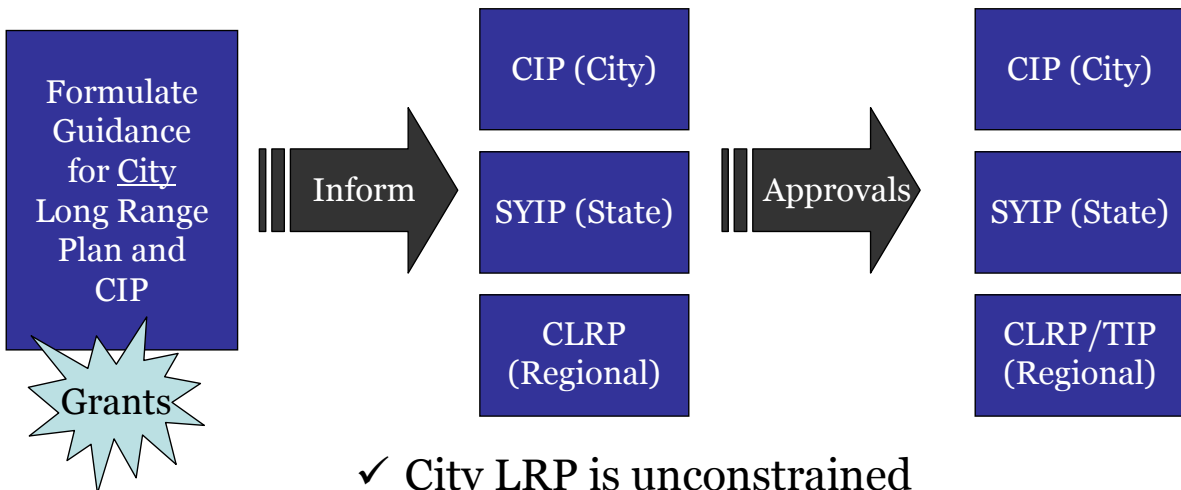http://alexandriava.gov/Planning

Bicycle Accommodations-
Section 6

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Transportation Commission

- About the Commission

- City Long-Range Plan and CIP
  - RSTP/CMAQ
  - CIP recommendations

- Complete Streets

- Strategic Plan

Process

FALL (Sept-Dec) ➡ WINTER (Jan-March) ➡ SPRING (April-June)

Formulate Guidance for <u>City</u> Long Range Plan and CIP	Inform ➡	CIP (City)	Approvals ➡	CIP (City)
		SYIP (State)		SYIP (State)
Grants		CLRP (Regional)		CLRP/TIP (Regional)

✓ City LRP is <u>unconstrained</u>
✓ COG/TPB (regional) plan is <u>constrained</u>, hence **C**LRP
✓ City CIP is constrained >> Regional TIP and SYIP

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Commission Prioritization Criteria

- **Livability**
  - What is the impact on livability in the affected area?
  - What is the impact on livability in Alexandria?
- **Connectivity**
  - What is the effect on neighborhood connectivity and the City as a whole?
  - What is the effect on regional mobility?
- **Land Use**
  - How well does project focus investment near existing or proposed population or employment?
  - How well does project focus investment near opportunities for economic development?
- **Multimodal Choices**
  - Does the project improve or add multimodality?
- **Infrastructure**
  - Does the project improve aging infrastructure?
- **Operations and Technology**
  - Does the project improve system efficiency through an appropriate use of technology?
- **Reduce SOV**
  - Does the project encourage non-SOV travel?
- **Safety**
  - What effect will the proposed project have on crash risks and safety?
- **Funding**
  - What is the potential for obtaining non-City funding for the project?
- **Ongoing Costs**
  - What is the effect of the project on maintenance and operating costs?
- **Urgency**
  - What is the urgency of the project?

City of Alexandria, Virginia

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FY 2011 CMAQ/RSTP Projects

1. Preliminary Engineering of Exclusive Transitways: $500,000

2. DASH Bus Acquisition: $1.8 million

3. Trans Demand Management (TDM) Activities: $100,000

4. Bike Racks for Buses: $100,000

Ranked/Prioritized but unfunded by CMAQ/RSTP
- Holmes Run Pedestrian/Bicycle Tunnel
- Bicycle Sharing Initiative
- Eisenhower Ave Platform Extension
- Braddock Road Metro Multimodal Connections
- Bicycle Parking at Major Transit Stops

FY 2011 CIP (Transportation)

Prioritization Ranked Order of projects in FY2010 CIP by Transportation Commission on September 2, 2009:

1. <u>Sidewalks, Curb/Gutters</u>
2. Bridge Repairs
3. <u>On-Street Pedestrian/Bike Safety</u>
4. Traffic Control Facilities
5. <u>In-Step</u>
6. Street Reconstruction
7. Alley Rehabilitation Program
8. Edsall Road Reconstruction

➢ Provides guidance to staff in development of FY2011 CIP which is currently being prepared and will be approved by City Council in May

City of Alexandria, Virginia

Strategic Planning

Goal 2: The City Respects, Protects and Enhances the Health of its Citizens and the Quality of its Natural Environment

Objective 3: Support healthy lifestyles and disease prevention.

Initiative 3G: Increase access to safe walking and bicycling trails in the City

Measures:
- Earn a Silver "Bicycle Friendly Community" designation by 2013.
- Improve the "Walk Score" for neighborhoods across Alexandria.
- Reduce pedestrian and bicycle crashes.
- Annually increase the total miles of sidewalks, shared-use paths and bikeways

City of Alexandria, Virginia

Strategic Planning

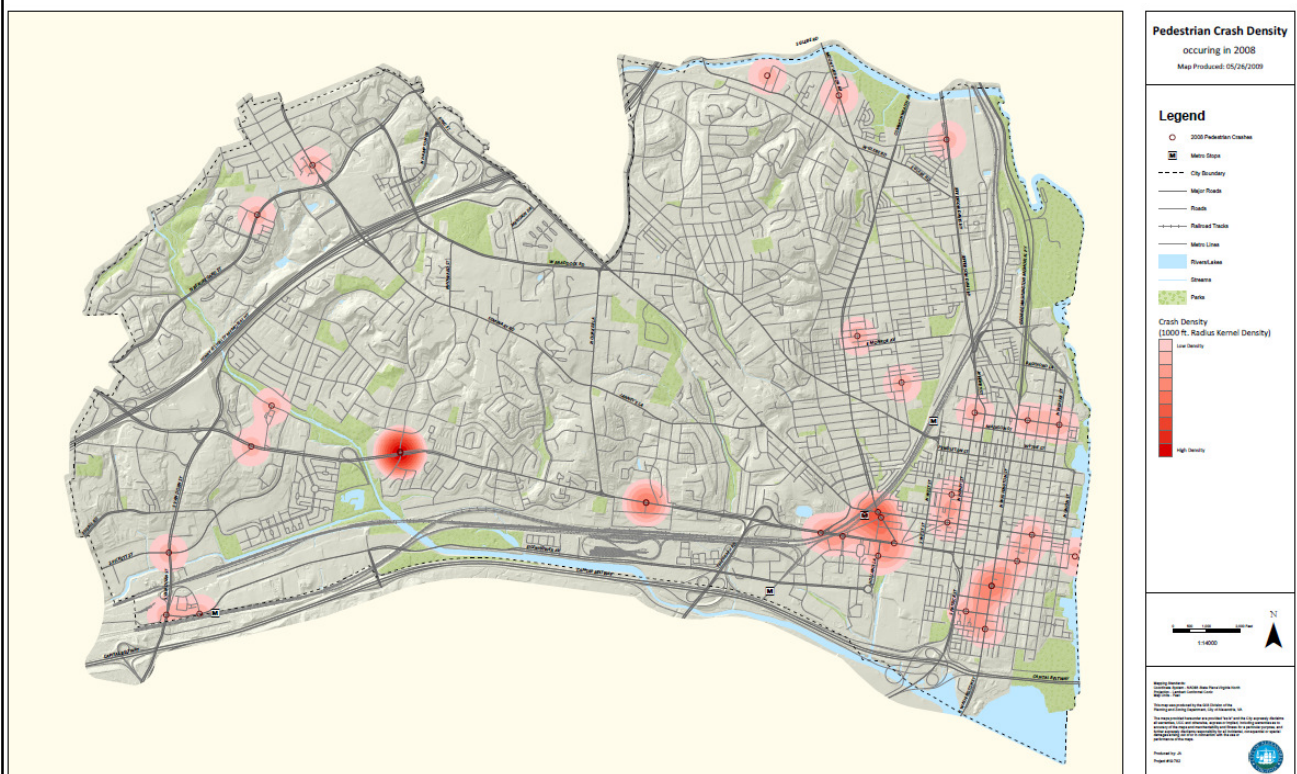| |
|---|
| ***Goal 3: A multimodal transportation network that supports sustainable land use and provides internal mobility and regional connectivity for Alexandria*** |
| **Objective 1:** Develop local, reliable funding mechanisms to support a fiscally constrained transportation plan. |
| **Objective 2:** Promote strong linkages and coordination between transportation and land development. |
| **Objective 3:** Ensure safe and accessible travel for pedestrians, bicyclists, transit and motorists on Complete Streets with design and implementation that is context sensitive. |
| **Objective 4:** Increase transit options for locally oriented and through trips emphasizing interjurisdictional coordination. |

City of Alexandria, Virginia

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Agenda Item #4- 2009 Year in Review and 2010 Major New Projects

City of Alexandria, Virginia

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Bicycle Crashes 2008
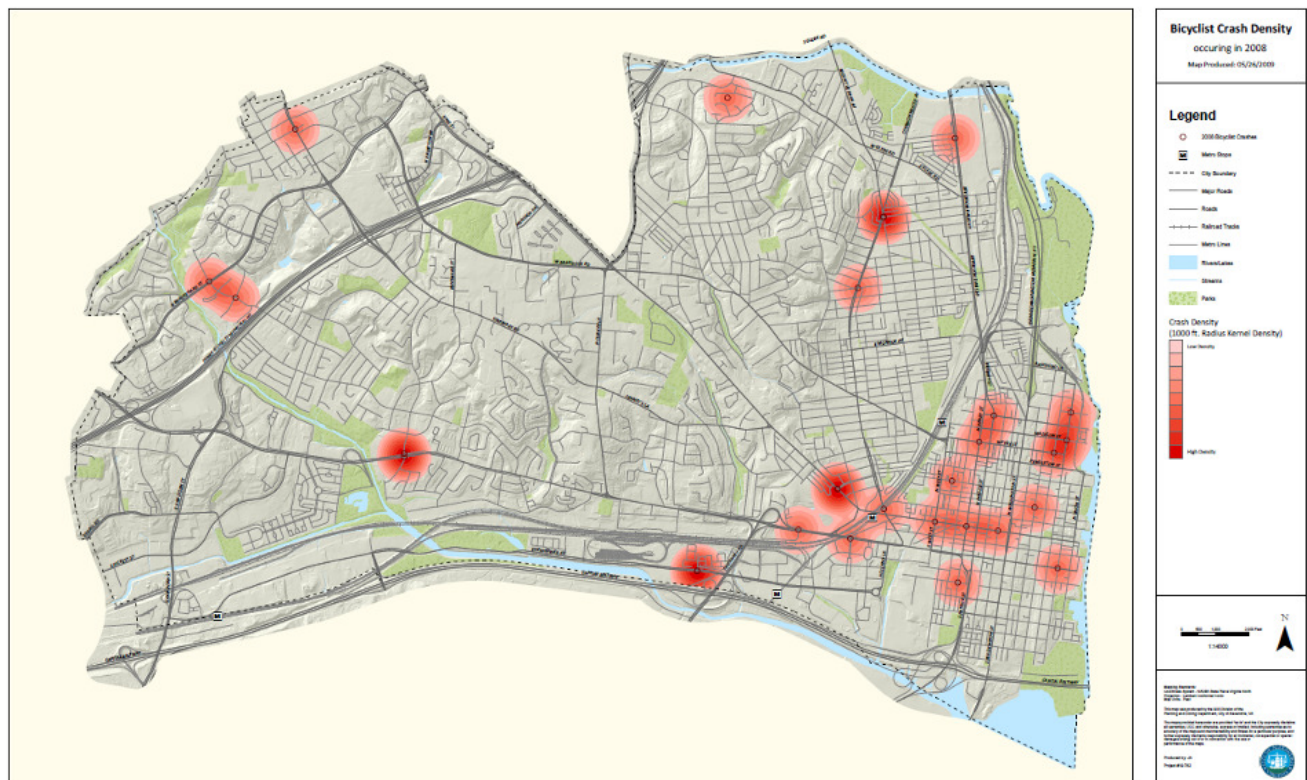
Pedestrian Crashes 2008

City of Alexandria, Virginia
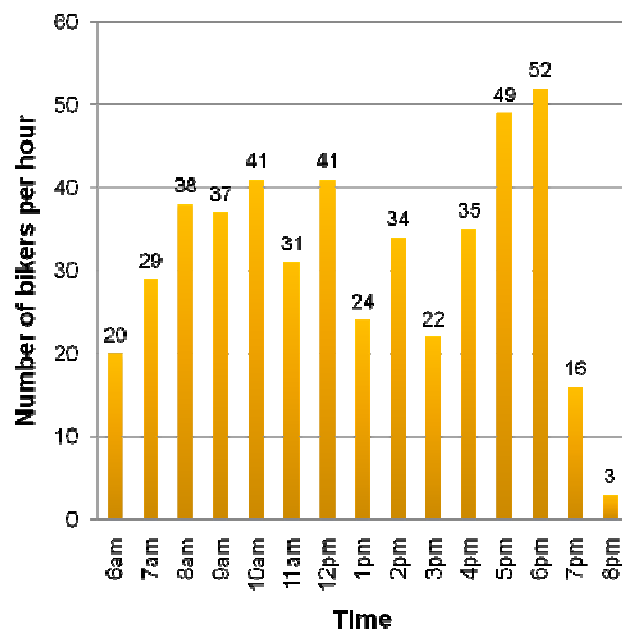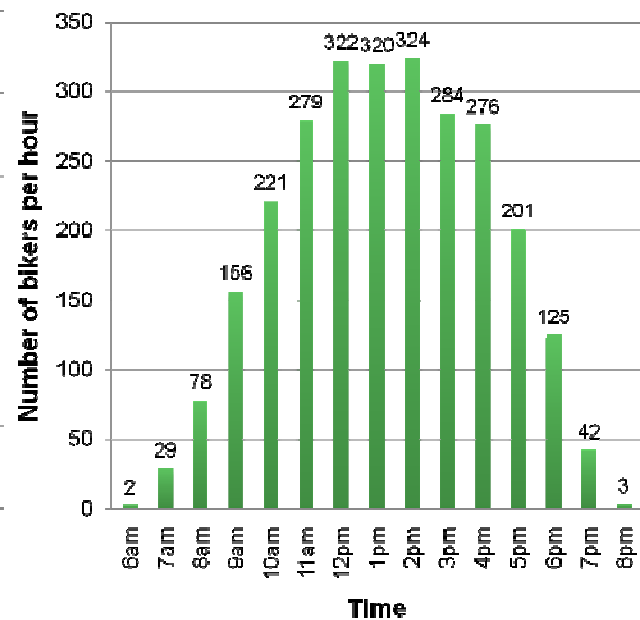
Holmes Run/Chambliss Crossing Design Matrix

DESIGN MATRIX FOR CROSSING OPTIONS			
CRITERIA	**FAIR WEATHER CROSSING**	**LOW PROFILE CROSSING**	**BRIDGE CROSSING**
HYDRAULIC IMPACT	Has no impact to flood elevations. Least amount of stream flow imapct.	Has no impact to flood elevations. Has slightly more impact to stream flow than fair-weather crossing. Also has more potential to gather debris.	A bridge set at the bank elevation causes a rise in the flood plain which is not permissable per FEMA and local regulations.
ENVIRONMENTAL IMPACT	Creates the most environmental impact since slab is directly on stream bed. Requires the most significant grading along the approaches to the crossing.	Creates moderate impact since piers are exposed. The base is covered by 1 ft of natural material. Requires moderate grading on the approaches.	Least environmental impact. Avoids stream all together. Bridge footings can be placed along streambanks. Requires minor grading along streambanks.
ACCESSIBILITY	Least accessible. Only allows limited crossing during non event times. Will be slippery due to buildup of algae over time.	Moderate accessibility. Will be designed to stay dry for one year events. Will flood during larger events.	Most accessible. Designed to span flood zone.
AESTHETICS	Will have the least visual impact along the stream, but moderate visual impact along the approaches.	Will have moderate visual impact along the stream. Can be kept low to hide most of the structure from houses.	Is the most visual option due to height and size of structure.
COST	Least expensive.	Moderately expensive. Construction will utilize pre-fabricated pieces.	Most expensive due to high elevation. Cost is not feasible for this project.

City of Alexandria, Virginia

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EXISTING LOW PROFILE CROSSING ALONG FOUR MILE RUN IN ARLINGTON COUNTY, ONE OF FIVE SUCH STRUCTURES ON THE TRAIL BETWEEN BARCROFT PARK AND BLUEMONT PARK

EXISTING FAIR WEATHER CROSSING ALONG THE FAIRFAX COUNTY CROSS COUNTY TRAIL IN DIFFICULT RUN STREAM VALLEY PARK

LOW PROFILE CROSSING

ADVANTAGES

- HAS NO IMPACT TO FLOOD ELEVATION

- A NATURAL STREAMBED REMAINS INTACT, PROVIDING FISH PASSAGE AND HABITAT TO THE STREAM'S BIOTA

- STRONG PUBLIC SUPPORT VETTED THROUGH NUMEROUS PUBLIC MEETINGS WITH ADJACENT PROPERTY OWNERS AND THE PED/BIKE COMMUNITY

- PROVIDES A SAFE, DRY SURFACE SLIGHTLY ABOVE NORMAL STREAM FLOW ELEVATION

- ALLOWS PEDESTRIAN AND BICYCLE PASSAGE EXCEPT DURING WET WEATHER EVENTS

- DESIGN IS CONSISTENT WITH SIMILAR FACILITIES USED WITH REGULARITY IN OTHER PARTS OF THE REGION AND WAS SUPPORTED BY THE PUBLIC

DISADVANTAGES

- VDOT MAY REQUIRE RAILING
  IF VDOT REQUIRES RAILING:
  - SIGNIFICANT IMPACT ON FLOOD ELEVATION
  - MEADOW (A PUBLIC PRIORITY) WILL BE REDUCED
  - INCREASES DOWNSTREAM RISK IN EVENT OF RAILING FAILURE
  - INCREASES POTENTIAL TO GATHER DEBRIS
  - REQUIRES SIGNIFICANT ADDITIONAL MAINTENANCE AFTER STORM EVENTS

FAIRWEATHER CROSSING

ADVANTAGES

- HAS NO IMPACT TO FLOOD ELEVATION

DISADVANTAGES

- DESTROYS THE ENVIRONMENTAL INTEGRITY OF THE STREAM BED; CONCRETE SLAB IS DIRECTLY ON TOP OF THE STREAM BED

- MAY PROHIBIT FISH PASSAGE

- STRONG PUBLIC OPPOSITION VETTED THROUGH NUMEROUS PUBLIC MEETINGS WITH ADJACENT PROPERTY OWNERS AND THE PED/BIKE COMMUNITY

- SURFACE WILL BE UNDERWATER AT ALL TIMES, WHICH ALLOWS BUILD UP OF ALGAE, POSING SIGNIFICANT HAZARDS TO BICYCLISTS AND PEDESTRIANS AND REDUCES AVAILABLE USE DAYS
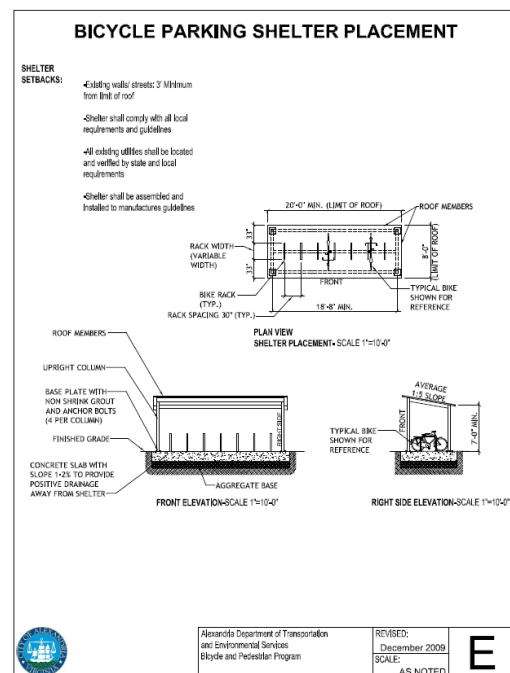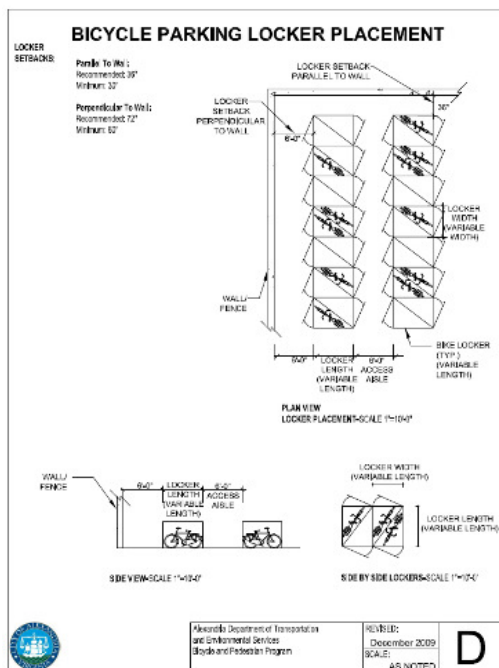
04 JANUARY 2010

Kimley-Horn and Associates, Inc.

Bicycle Parking Specs

2010 Projects

- Rapid Flash Beacons: Yoakum Parkway, Duke Street at Telegraph Road, Braddock Road Metro and Mount Vernon Ave at Del Ray Central
- Active Transportation/Bicycle Initiative
- Eisenhower Avenue Underpass
- Eisenhower Avenue Complete Street
- Safe Routes to School
- King-Beauregard Intersection
- ASA Expansion/Hooffs Run Connection
- Mt. Vernon Trail Safety @ East Abingdon and at Porto Vecchio
- Bicycle Parking & Bike-Racks-on-Buses
- Wayfinding

City of Alexandria, Virginia

About the Rapid Flash Beacon

- First piloted in St. Petersburg, Fla. in 2004

- Installed in DC on Brentwood Ave in 2008 (first such beacon in Northeast), increased compliance over 60%

- Features super-bright LED lights that flash rapidly (70-80 flashes per min. each) in a wig-wag/stuttering pattern that is hard for drivers to miss

City of Alexandria, Virginia

Active Transportation & Bicycle Initiative

Benefits and Capabilities

- Approximately the size of a parking stall
- 24/ 7 Secure Access
- Smart and efficient use of space in plan
- Service up to 80 bike users

- Flexible policy management system
- Multiple Interoperable parking facilities
- Installed and Operational in 8 weeks or less

mobis   Overview   **Design**   Delivery   Operations   Summary   bikestation®

City of Alexandria, Virginia

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Wayfinding

ALEXANDRIA TRAILS
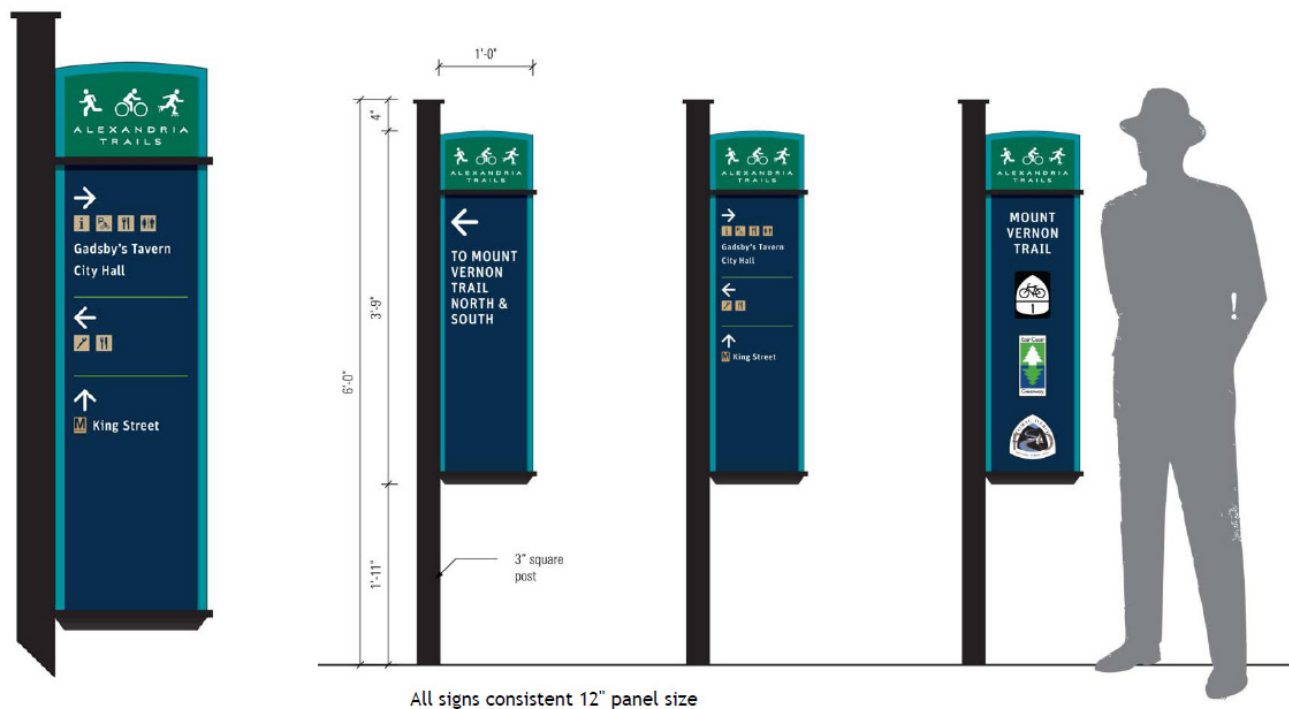
- Stakeholder Advisory Group > Jan. 26
- BAR dockets > Feb
- Public Review & Hearings > April
- Plann Comm. > June
- Contact Stacy Langsdale

City of Alexandria, Virginia

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Trail Signs

1'-0"

All signs consistent 12" panel size

3" square post

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Agenda Item #5- Existing Projects & Upcoming Events

City of Alexandria, Virginia

Upcoming Events

- Four Mile Run Ped-Bike Bridge Design Selection > Saturday, March 27
- Confident City Cycling
  - May 6: CCC1 at Mount Vernon
  - June 5: L2R at Charles Houston
  - June 19: CCC1 at Cora Kelly
- BikeDC > Sunday, May 9 (tentative)
- Bike to Work Day > Friday, May 21

City of Alexandria, Virginia
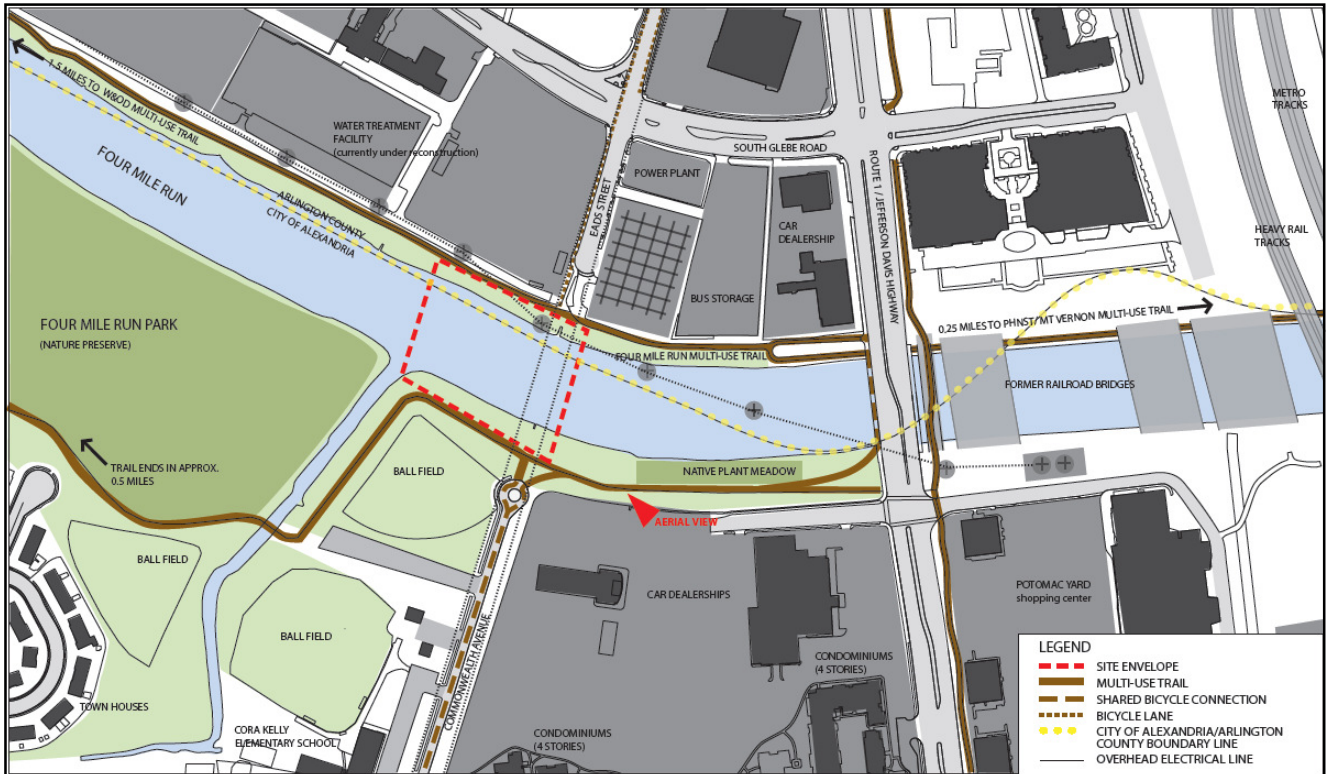
4 MILE RUN PEDESTRIAN - CYCLIST BRIDGE
SITE PLAN

Save the Date! Bridge Design Selection on Sat, March 27 at Masonic Memorial

City of Alexandria, Virginia

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Agenda Item #6- Public Input/Q&A

Alexandria Bikeways

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Thank you

www.alexandriava.gov/localmotion

Yon Lambert, AICP

Dept. of Transportation & Environmental Services